

product user guide

title: 3m Trench Crossing Unit

issue: 7

issue date: June 2012

Mabey 3m Trench Crossing Units are intended to provide temporary vehicular access over trenches. They are not intended for other purposes.

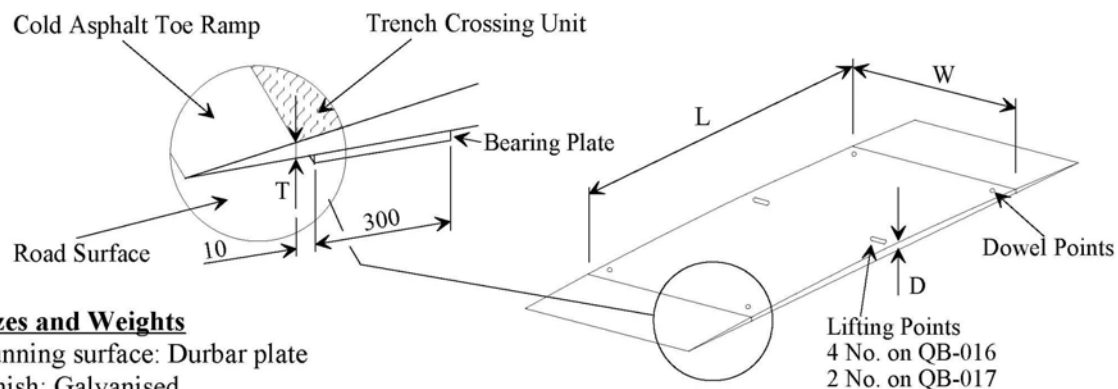
In all applications the user should ensure that:

- i) The sides of the trench to be crossed are adequately shored to support the reactions from the trench crossing units when under service loading.
- ii) The units are adequately restrained against longitudinal or lateral movement.
- iii) The speed of traffic using the crossing is limited to a maximum speed of 5 m.p.h.

In certain applications the user may have to make his own separate arrangements for:

- i) Adequate parapets, kerbs or handrails.
- ii) Improved skid resistance over and above that provided by the Durbar plate running surface.
- iii) Ensuring that the vertical profile of the crossing arrangement is suitable for the traffic intended to use it. Note: Some types of vehicle with low ground clearance and/or particularly long/short wheelbases may be susceptible to 'grounding'. (Eg. Low loaders and some types of buses).
- iv) Cyclists and riders on horseback to be either prohibited or instructed to dismount before crossing the units.
- v) Protection of the Durbar plate or anti-skid running surface, when crawler vehicles are to cross the units. Plywood sheeting or conveyor belting are commonly used.

Identification: Sizes of Units, Weights and Carrying Capacities



Sizes and Weights

Running surface: Durbar plate

Finish: Galvanised

Code No.	Dimensions (mm)				Running Surface	Weight (Kg)
	L	W	D	T		
QB-O16	3020	1725	90	40	Durbar Plate	800
QB-AS-116	3020	1725	90	40	Anti-Skid Coating	850
QB-017	3000	1600	90	40	Durbar Plate	700

Carrying capacity: Single vehicles either:

- a) Conforming to the Construction and Use Regulations: i.e. cars, buses, lorries up to 40 tonnes G.V. weight.
- or b) Crawler machines up to 20 tonnes G.V. weight.

Accessories

Lifting Chains: (PSP-155) 7mm 4 Leg Chain Sling. Weight 24kg. Refer to the Lifting Chain user guide for further details.

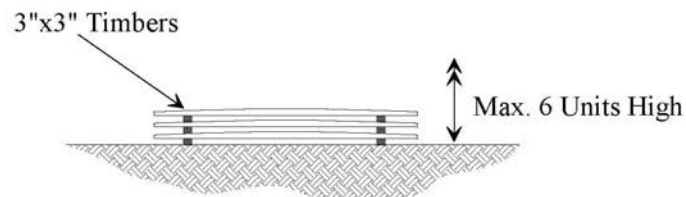
Note: Only 2 legs of the sling used to lift QB-017 units.

Stacking and Handling

Suitable firm level storage areas should be made available on site for stacking.

Suitable lifting equipment of adequate capacity should be provided for off-loading and installation.

Slinging should always be carried out by suitably experienced and competent personnel. The weight of each unit is given overleaf.

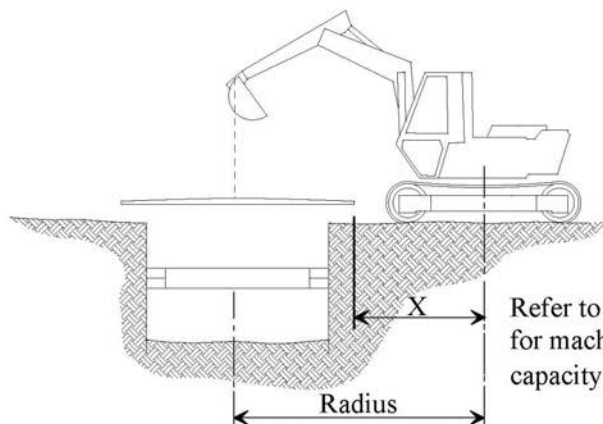


Transportation

Ensure that the stacks are securely chained to the lorry.

Installation

i) Excavator or crane lifting requirements when positioning units over trench



Refer to manufacturer for machine load capacity.

X=Dimension from rear of unit to centre line of crane/excavator when standing a safe distance from the trench.

Max Lift = Unit wt. + wt. of chains (see side 1).

Radius = 1/2 length of unit + x

ii) Method of installation (Dismantling is the reverse procedure)

Simply crane into position onto the previously prepared foundation. When in position, ensure units are adequately restrained against movement.

Install asphalt toe ramps or similar.

Install kerbs, handrails or parapets as appropriate.

In-Service Checks

Regularly inspect the trench walls to ensure the trafficked units are not overloading them. Check that the units are not moving longitudinally or spreading laterally under trafficking.

GENERAL

Since our policy is one of continual improvement, components may vary in detail from the description given in this publication.

product user guide

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title: 4.5m Trench Crossing Unit

issue: 5

issue date: June 2012

Mabey 4.5m Trench Crossing Units are intended to provide temporary vehicular access over trenches. They are not intended for other purposes.

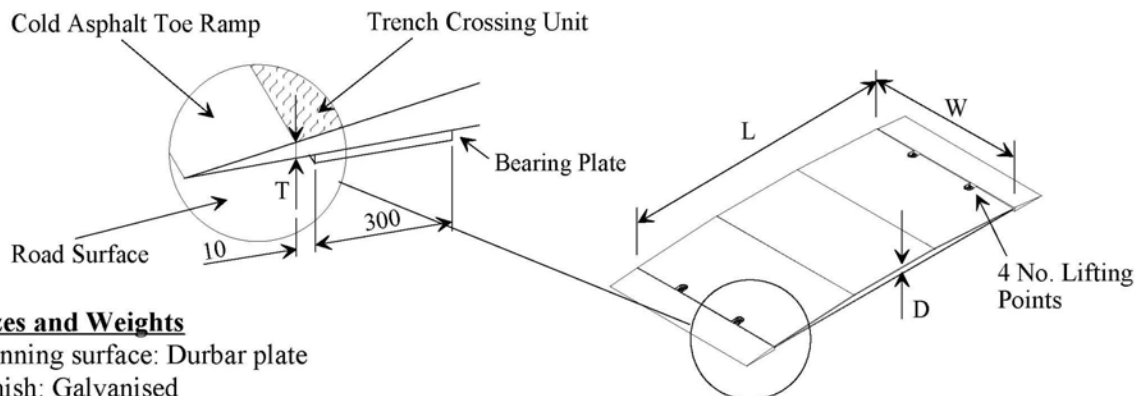
In all applications the user should ensure that:

- i) The sides of the trench to be crossed are adequately shored to support the reactions from the trench crossing units when under service loading.
- ii) The units are adequately restrained against longitudinal or lateral movement.
- iii) The speed of traffic using the crossing is limited to a maximum speed of 5 m.p.h.

In certain applications the user may have to make his own separate arrangements for:

- i) Adequate parapets, kerbs or handrails.
- ii) Improved skid resistance over and above that provided by the Durbar plate running surface.
- iii) Ensuring that the vertical profile of the crossing arrangement is suitable for the traffic intended to use it.
Note: Some types of vehicle with low ground clearance and/or particularly long/short wheelbases may be susceptible to 'grounding'. (Eg. Low loaders and some types of buses).
- iv) Cyclists and riders on horseback to be either prohibited or instructed to dismount before crossing the units.
- v) Protection of the Durbar plate or anti-skid running surface, when crawler vehicles are to cross the units.
Plywood sheeting or conveyor belting are commonly used.

Identification: Sizes of Units, Weights and Carrying Capacities



Sizes and Weights

Running surface: Durbar plate

Finish: Galvanised

Code No.	Dimensions (mm)				Running Surface	Weight (Kg)
	L	W	D	T		
QB-O20	4500	1725	140	40	Durbar Plate	1410
QB-AS-120	4500	1725	140	40	Anti-Skid Coating	1490

Carrying capacity: Single vehicles either:

- a) Conforming to the Construction and Use Regulations: i.e. cars, buses, lorries up to 40 tonnes G.V. weight.
- or b) Crawler machines up to 20 tonnes G.V. weight.

Accessories

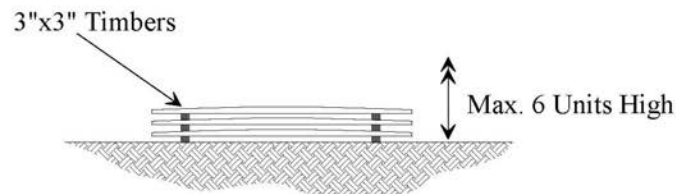
Lifting Chains: (PSP-155) 7mm 4 Leg Chain Sling. Weight 24kg. Refer to the Lifting Chain user guide for further details.

Stacking and Handling

Suitable firm level storage areas should be made available on site for stacking.

Suitable lifting equipment of adequate capacity should be provided for off-loading and installation.

Slings should always be carried out by suitably experienced and competent personnel. The weight of the unit is given overleaf.

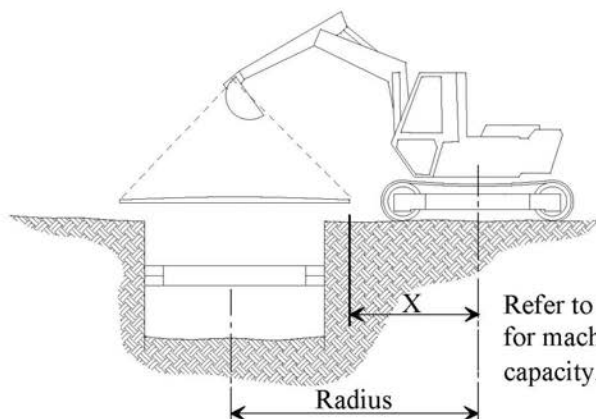


Transportation

Ensure that the stacks are securely chained to the lorry.

Installation

i) Excavator or crane lifting requirements when positioning units over trench



Refer to manufacturer for machine load capacity.

X=Dimension from rear of unit to centre line of crane/excavator when standing a safe distance from the trench.

Max Lift = Unit wt. + wt. of chains (see side 1).

Radius = 1/2 length of unit + x

ii) Method of installation (Dismantling is the reverse procedure)

Simply crane into position onto the previously prepared foundation. When in position, ensure units are adequately restrained against movement.

Install asphalt toe ramps or similar.

Install kerbs, handrails or parapets as appropriate.

In-Service Checks

Regularly inspect the trench walls to ensure the trafficked units are not overloading them. Check that the units are not moving longitudinally or spreading laterally under trafficking.

GENERAL

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product user guide

title: 6m Trench Crossing Unit

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Mabey 6m Trench Crossing Units are intended to provide temporary vehicular access over trenches. They are not intended for other purposes.

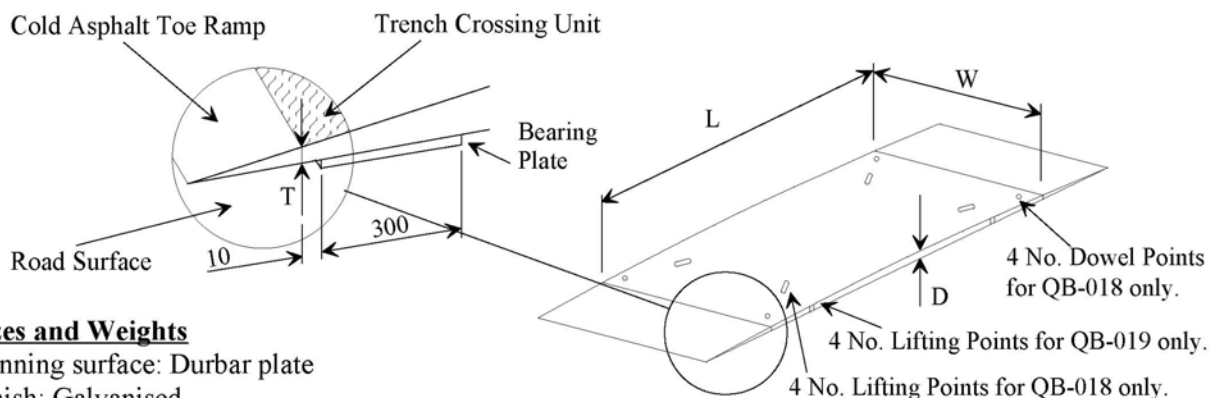
In all applications the user should ensure that:

- i) The sides of the trench to be crossed are adequately shored to support the reactions from the trench crossing units when under service loading.
- ii) The units are adequately restrained against longitudinal or lateral movement.
- iii) The speed of traffic using the crossing is limited to a maximum speed of 5 m.p.h.

In certain applications the user may have to make his own separate arrangements for:

- i) Adequate parapets, kerbs or handrails.
- ii) Improved skid resistance over and above that provided by the Durbar plate running surface.
- iii) Ensuring that the vertical profile of the crossing arrangement is suitable for the traffic intended to use it.
Note: Some types of vehicle with low ground clearance and/or particularly long/short wheelbases may be susceptible to 'grounding'. (Eg. Low loaders and some types of buses).
- iv) Cyclists and riders on horseback to be either prohibited or instructed to dismount before crossing the units.
- v) Protection of the Durbar plate running surface, when crawler vehicles are to cross the units. Plywood sheeting or conveyor belting are commonly used.

Identification: Sizes of Units, Weights and Carrying Capacities



Sizes and Weights

Running surface: Durbar plate

Finish: Galvanised

Code No.	Dimensions (mm)				Weight (Kg)
	L	W	D	T	
QB-O18	6000	1725	240	80	2500
QB-019	6000	1600	240	80	2200

NOTE: The side elevation differs in shape from the 6m Heavy Duty Trench Crossing Unit. (QB-206). See separate User Information for details.

Carrying capacity: Single vehicles either:

- a) Conforming to the Construction and Use Regulations: i.e. cars, buses, lorries up to 40 tonnes G.V. weight.
- or b) Crawler machines up to 20 tonnes G.V. weight.

Accessories

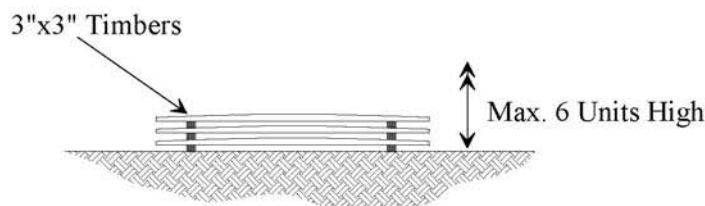
Lifting Chains: (SB-LSLG) 10mm 4 Leg Chain Sling. Weight 47kg. Refer to Lifting Chain user guide for further details.

Stacking and Handling

Suitable firm level storage areas should be made available on site for stacking.

Suitable lifting equipment of adequate capacity should be provided for off-loading and installation.

Slings should always be carried out by suitably experienced and competent personnel. The weight of each unit is given overleaf.

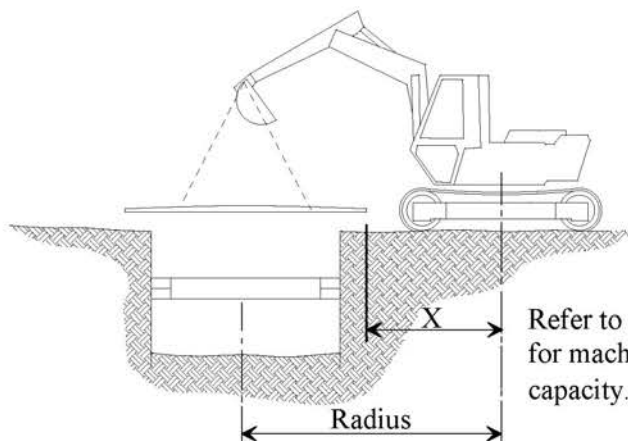


Transportation

Ensure that the stacks are securely chained to the lorry.

Installation

i) Excavator or crane lifting requirements when positioning units over trench



Refer to manufacturer for machine load capacity.

X=Dimension from rear of unit to centre line of crane/excavator when standing a safe distance from the trench.

Max Lift = Unit wt. + wt. of chains (see side 1).

Radius = 1/2 length of unit + x

ii) Method of installation (Dismantling is the reverse procedure)

Simply crane into position onto the previously prepared foundation. When in position, ensure units are adequately restrained against movement.

Install asphalt toe ramps or similar.

Install kerbs, handrails or parapets as appropriate.

In-Service Checks

Regularly inspect the trench walls to ensure the trafficked units are not overloading them. Check that the units are not moving longitudinally or spreading laterally under trafficking.

GENERAL

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product user guide

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title: 6m Heavy Duty Trench Crossing Unit

issue: 6

issue date: June 2012

Note: QB-206 Heavy Duty Trench Crossing Units are not normally suitable for use alongside or in combination with standard 6m Trench Crossing Units QB-018 and QB-019 for which there is a separate set of user information.

Mabey 6m Heavy Duty Trench Crossing Units are intended to provide temporary vehicular access over trenches. They are not intended for other purposes.

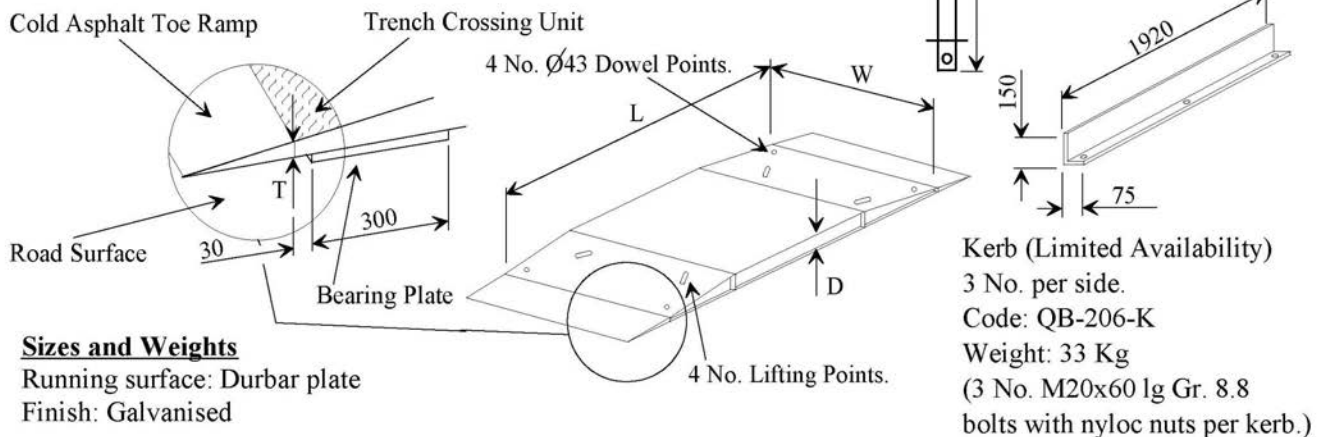
In all applications the user should ensure that:

- The sides of the trench to be crossed are adequately shored to support the reactions from the trench crossing units when under service loading.
- The units are adequately restrained against longitudinal or lateral movement.
- The speed of traffic using the crossing is limited to a maximum speed of 5 m.p.h.

In certain applications the user may have to make his own separate arrangements for:

- Adequate parapets, kerbs or handrails.
- Improved skid resistance over and above that provided by the Durbar plate running surface.
- Ensuring that the vertical profile of the crossing arrangement is suitable for the traffic intended to use it.
Note: Some types of vehicle with low ground clearance and/or particularly long/short wheelbases may be susceptible to 'grounding'. (Eg. Low loaders and some types of buses).
- Cyclists and riders on horseback to be either prohibited or instructed to dismount before crossing the units.
- Protection of the Durbar plate running surface, when crawler vehicles are to cross the units. Plywood sheeting or conveyor belting are commonly used.

Identification: Sizes of Units, Weights and Carrying Capacities



Code No.	Dimensions (mm)				Weight (Kg)
	L	W	D	T	
QB-206	6100	1725	260	18	2150

NOTE: The side elevation differs in shape from the Standard 6m Trench Crossing Units. (QB-018 and QB-019).

See separate User Information for details.

Carrying capacity: Single vehicles either:

- Conforming to the Construction and Use Regulations: i.e. cars, buses, lorries up to 40 tonnes G.V. weight.
- or
- Crawler machines up to 30 tonnes G.V. weight.

Accessories

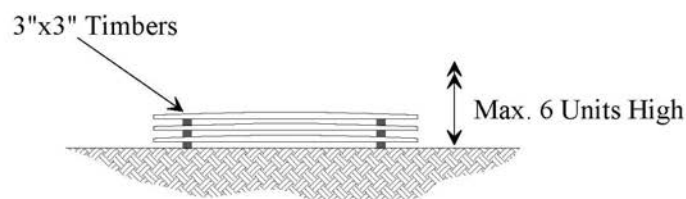
Lifting Chains: (SB-LSLG) 10mm 4 Leg Chain Sling. Weight 47kg. Refer to Lifting Chain user guide for further details.

Stacking and Handling

Suitable firm level storage areas should be made available on site for stacking.

Suitable lifting equipment of adequate capacity should be provided for off-loading and installation.

Slings should always be carried out by suitably experienced and competent personnel. The weight of each unit is given overleaf.

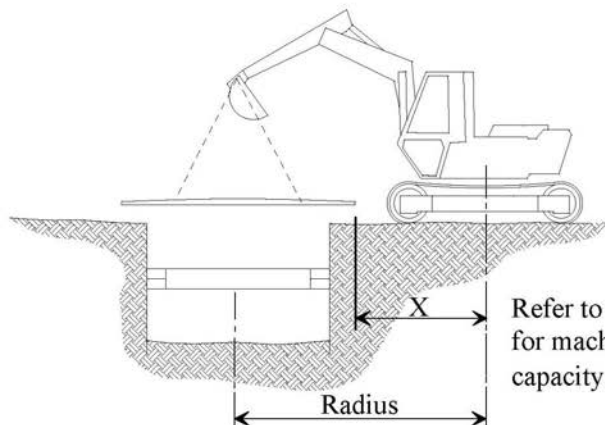


Transportation

Ensure that the stacks are securely chained to the lorry.

Installation

i) Excavator or crane lifting requirements when positioning units over trench



X=Dimension from rear of unit to centre line of crane/excavator when standing a safe distance from the trench.

Refer to manufacturer for machine load capacity.

Max Lift = Unit wt. + wt. of chains (see side 1).

Radius = 1/2 length of unit + x

ii) Method of installation (Dismantling is the reverse procedure)

Simply crane into position onto the previously prepared foundation. When in position, ensure units are adequately restrained against movement.

Install asphalt toe ramps or similar.

Install kerbs, handrails or parapets as appropriate.

In-Service Checks

Regularly inspect the trench walls to ensure the trafficked units are not overloading them. Check that the units are not moving longitudinally or spreading laterally under trafficking.

GENERAL

Since our policy is one of continual improvement, components may vary in detail from the description given in this publication.